

10/589293

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CERTIFICATE OF MAILING

I hereby certify that the foregoing Information Disclosure Statement and the accompanying Concise Statement of Relevance of Non-English References, Additional Information, Form PTO/SB/08A (7 Sheets), 1 International Search Report, and 17 references are being deposited with the United States Postal Service as Express Mail EV921045829US in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on the date indicated below:
Date: 8/14/06 By: Olimpia Jakubowska
Olimpia Jakubowska-Wrobel

Attorney Docket No.: 102133-16

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: **DANZIGER, Manfred**
USSN: To be assigned
I.A. NO.: PCT/DE2005/000422
I. A. FILING DATE: March 1, 2005
FOR: **Adhesive bond and method for the production thereof**
ART UNIT: To be assigned
EXAMINER: To be assigned
CUSTOMER NO.: 27,388

Mail Stop PCT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

SIR:

Pursuant to 37 CFR §§ 1.56, 1.97 and 1.98, Applicants respectfully request that the Examiner consider the references listed on the attached Form PTO-1449.

I. Timeliness, Fees and Certifications in lieu of Fees

☒ A. This information disclosure statement is being filed within three months of the filing date of the application, or within three months of entry into the national stage,

or before the mailing of a first Office Action on the merits. Pursuant to 37 CFR § 1.97(b), consideration of this information disclosure statement does not require a fee or a statement under 37 CFR § 1.97(e). However, should the Assistant Commissioner determine that a fee is, in fact, due, the Assistant Commissioner is hereby authorized to charge the fee to Deposit Account No. 14-1263.

☐ B. This information disclosure statement is being filed after the period in A above, but before the mailing of either a final action or a notice of allowance. Pursuant to 37 CFR § 1.97(c), consideration of this information disclosure statement requires a fee or a statement under 37 CFR § 1.97(e):

☐ 1. The Assistant Commissioner is hereby authorized to charge the fee set forth in 37 CFR § 1.17(p) to Deposit Account No. 14-1263.

☐ 2. Applicants hereby state that each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

☐ 3. Applicants hereby state that no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 CFR § 1.56 more than three months prior to the filing of this information disclosure statement.

☐ C. This information disclosure statement is being filed after the period specified in B above, but on or before the payment of the issue fee. Pursuant to 37 CFR §

1.97(d), consideration of this information disclosure statement requires a petition, which Applicants hereby request, and payment of the petition fee, which is set forth in 37 CFR § 1.17(i), and which the Assistant Commissioner is hereby authorized to charge to Deposit Account No. 14-1263. Consideration of this information disclosure statement also requires a statement under 37 CFR § 1.97(e):

II. Copies of Listed References

☒ A. Copies of all references listed on the attached Form PTO-1449 are being supplied.

Copies of U.S. patents are not included pursuant to Pre-OG Notice dated July 11, 2003.

☐ B. Copies of all references listed on the attached Form PTO-1449 have already been supplied during the prosecution of prior application Serial No. ____, filed ____, from which the present application claims priority pursuant to 35 USC § 120. Therefore, pursuant to 37 CFR § 1.98(d), copies of the references listed on the attached Form PTO-1449 are not now being supplied.

☐ C. This application is a PCT national stage application, all references listed on the attached Form PTO-1449 were cited in the international search report, and PCT/DO/EO/903 indicates that both the international search report and the copies of the references listed on the attached Form PTO-1449 are in this national stage file. Therefore, copies of the references listed on the attached Form PTO-1449 are not now being supplied.

III. Concise Statement of Relevance

- ☐ A. All references listed on the attached Form PTO-1449 are in the English language, and, therefore, a concise statement of relevance is not required.
- ☐ B. A concise statement of the relevance of all references listed on the attached Form PTO-1449 that are *not in the English language*, is being provided on a separate sheet.
- ☐ C. All references listed on the attached Form PTO-1449 were cited in the International Search report issued by the International Patent Office, and an English-language version of that search report, which indicates the degree of relevance found by that Patent Office, is attached.
- ☐ D. This application is a PCT national stage application, all references listed on the attached Form PTO-1449 were cited in the international search report, and a copy of that search report, which indicates the degree of relevance found by the International Search Authority, is attached.
- ☐ E. All listed on the attached Form PTO 1449 were cited during the prosecution of the prior application indicated above under II.B.

IV. Additional Information

- ☐ A. In addition to the references listed on the attached Form PTO-1449, Applicants wish to bring to the attention of the Examiner the following abandoned or co-pending U.S. patent applications:
[Pursuant to 37 CFR § 1.98(a)(2)(iii), copies of these applications are not being submitted.]
- ☐ B. In addition of the references listed on the attached Form PTO-1449,

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Applicants wish to bring to the attention of the Examiner the information provided on the attached sheet.

Consideration of the foregoing in relation to this application is respectfully requested.

Respectfully submitted,

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Substitute for form PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT'S			Application Number		PCT/DE2005/000422	
			Filing Date:		Herein 10/589293	
			First Named Inventor		DANZIGER, Manfred	
			Art Unit		To be assigned	
			Examiner Name:		To be assigned	
Sheet 1		of 1		Attorney Docket Number:		102133-16
U.S. PATENT DOCUMENTS						
Examiner's Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code ²				
	A	US 4 199 650 A	April 22, 1980	Mirtich, Michael J. et al		
	B	US 6 342 307	January 29, 2002	Menezes, Marlon E et al		
FOREIGN PATENT DOCUMENTS						
Examiner's Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ – Number ⁴ -Kind Code ⁵				
	C	EP 0 502 633 A <i>Equivalent to US 5 389 195 A</i>	September 9, 1992	Minnesota Mining and Manufacturing Company		Document in English
	D	WO0242514	May 30, 2002	Danzinger, Manfred ; Kirschstein, Michael		Abstract only
	E	WO2004015161 <i>Equivalent to US2005230353</i>	February 19, 2004	Danzinger, Manfred		Document in English
	F	GB 816641	July 15, 1959	BRITL DIELECTRIC RES LTD		Document in English
	G	DE19817388 <i>Equivalent to US 6 706 201</i>	October 28, 1999	ATOTECH DEUTSCHLAND GMBH		Document in English
	H	DE10163437	July 17, 2003	KARLSRUHE FORSCHZENT		Abstract only
NON PATENT LITERATURE DOCUMENTS						
Examiner's Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ⁶
	I	DATABASE WPI, Section Ch, Week 199122, Derwent Publications Ltd., London, GB; Class A35, AN 1991-161215 XP002332108 & JP 03 097861 A (MATSUSHITA ELEC IND CO LTD) April 23, 1991 abstract				
	J	KUPFER H ET AL: "Plasma and ion beam assisted metallization of polymers and				

		their application" NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH, SECTION - B: BEAM INTERACTIONS WITH MATERIALS AND ATOMS, NORTH-HOLLAND PUBLISHING COMPANY. AMSTERDAM, NL, vol. 166-167, May 2000,pages722-731, XP004204165 , ISSN: 0168-583X -abstract page 723, right-hand column, line 10 -page 724, left-hand column, last line; figures; table 1 page 724, right-hand column, paragraph 3.1	
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	M	CHIN-AN CHANG,J.E.E. BAGLIN,A.G.SCHROTT ,K.C.LIN: "Enhanced Cu-Teflon adhesion by presputtering prior to the Cu deposition" APPLIED PHYSICS LETTERS, vol. 51,no. 2,13 July 1987, pages 103-105, XP002332106 page 103, left-hand column, line F – page 105, right-hand column, last line ; figures	
	N	BAGLIN J E E: " INTERFACE TAILORING FOR ADHESION USING ION BEAMS" NUCLEAR INSTRUMENTS & METHODS IN PHYSICSRESEARCH, SECTION - B: BEAM INTERACTIONS WITH MATERIALS AND ATOMS, NORTH-HOLLANDPUBLISHING COMPANY. AMSTERDAM, NL,vol.B39, no.1 - 4 INDEX, March 2, 1989, pages 764-768, XP000111163 ISSN: 0168-583X abstract; figures figures, the whole document	
	O	PERRY C C ET AL: "Reactivity of Cu with poly (tetrafluoroethylene) and poly(vinyl chloride): Effect of pre- and post-metallization modification on the metal/polymer interface" JOURNAL OF VACUUM SCIENCE AND TECHNOLOGY A. VACUUM, SURFACES AND FILMS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, NY, US, vol. 20,no. 5, September 2002, pages 1690-1698, XP012006183 ISSN:0734-2101 page 1693, left-hand column, paragraph 2 -page 1694, left-hand column, paragraph 1; figures * B. Reactivity of Copper on PTFE *	
	P	BERTRAND P ET AL: "Polymer metallization: Low energy ion beam surface modification to improve adhesion " NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH, SECTION - B: BEAM INTERACTIONS WITH MATERIALS AND ATOMS, NORTH-HOLLANDPUBLISHING COMPANY. AMSTERDAM, NL, vol.131, no.1-4, August 1997 (1997-08), pages 71-78, XP004100503 ISSN: 0168-583X the whole document	

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	Q	N.CAPPS, L. LOU, M. AMANN: "Application Note: Ion Source Applications: Polymer Surface Modification" 'Online!2000, XP002332107 Retrieved from the Internet: URL: http://www.advanced-energy.com/upload/app_4a_3.pdf> retrieved on 2005-06-15! Advanced Energy Industries, Inc. the whole document
EXAMINER SIGNATURE:		DATE CONSIDERED:
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²see Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴for Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.</p> <p>The collection of information is required by 37 CFR 1.197 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p>If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.</p>		